

CLAIMS

What is claimed is:

1. A method of improving performance of a computer system, comprising:
 - (a) specifying a time period;
 - (b) evicting, from a cache memory, at least one entry that has remained unchanged for at least the time period;
 - (c) measuring at least one performance parameter;
 - (d) changing the value of the time period;
 - (e) repeating steps (b) and (c); and
 - (f) determining whether the performance parameter has changed.
2. The method of claim 1, step (c) further comprising:
measuring the rate of cache-to-cache transfers.
3. The method of claim 1, step (c) further comprising:
measuring how many evicted entries are accessed during a predetermined time span.
4. The method of claim 1, step (b) further comprising:
evicting, from a cache memory, at least one modified entry that has remained unchanged for at least the time period.
5. The method of claim 1, step (b) further comprising:
evicting, from a cache memory, at least one entry that was received in a cache-to-cache transfer and has remained unchanged for at least the time period.

6. The method of claim 1, step (b) further comprising:
evicting, from a cache memory, at least one modified entry that was
received in a cache-to-cache transfer and has remained unchanged for at least
the time period.
7. The method of claim 1, further comprising:
repeating steps (a) through (f) until the performance parameter is optimized.
8. The method of claim 1, further comprising:
repeating steps (a) through (f) until the performance parameter changes.

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